

### **ABSTRACT**

Durability and noise/vibration characteristics of a shock absorber for a vehicle are enhanced when the shock absorber includes a cylinder, a piston reciprocally disposed in the cylinder, and a magnetic field generating unit for generating a magnetic field in a radial direction of the piston, wherein the magnetic field generating unit is mounted at one side of an interior side of the cylinder and an exterior side of the piston, and another side of the interior side of the cylinder and the exterior side of the piston at which the magnetic field generating unit is not mounted is formed of a metallic material.

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